Docket No. 242588US3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hirofumi FUJII, et al.

SERIAL NO: NEW APPLICATION GAU:

FILED: HEREWITH EXAMINER:

FOR: ROD TARGET FOR ARC EVAPORATION SOURCE, MANUFACTURING METHOD THEREFOR, AND ARC

DEPOSITION DEVICE

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR

Applicant(s) wish to disclose the following information.

REFERENCES

·LI.	BREITEES					
	The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.					
	A check is attached in the amount required under 37 CFR §1.17(p).					
	A credit card payment form is attached in the amount required under 37 CFR §1.17(p).					
REL	ATED CASES					
	Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s is attached along with PTO 1449.					
	A check is attached in the amount required under 37 CFR §1.17(p).					
	A credit card payment form is attached in the amount required under 37 CFR §1.17(p).					
CER	TIFICATION					
	Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.					
	No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made					

DEPOSIT ACCOUNT

the filing of this statement.

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number <u>15-0030</u>. A duplicate copy of this sheet is enclosed.

reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

C. Irvin McClelland

Registration No. 21,124

Customer Number

22850

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03) DOCKET NO.: 242588US3 page <u>1</u> of <u>1</u>

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STATEMENT OF RELEVANCY

Reference AO (7-173617) on Form PTO-1449:

explained in the specification

PURPOSE: To facilitate arc spot scanning control by placing an anode electrode near a deposition source and to make a charging electric current value to anode controllable in the vacuum arc deposition device having an anode for a cylindrical evaporating source.

CONSTITUTION:Anode electrides 3, 4 are placed near both ends of an evaporating source 2. Further, an arc power source device 5 and control device 6 are provided, independently controlling the charging electric current value to the anode electrodes 3. 4. Next, vacuum arc discharge is generated from the evaporating source 2, arc spot is appeared on the surface of the evaporating source 2, controlling spot scanning, a target material is evaporated. This vapor is moved to a base plate 7. The film is formed on the base plate 7.

Reference AP (2000-80466) on Form PTO-1449:

an example of a conventional arc type ion plating apparatus

PROBLEM TO BE SOLVED: To provide a vacuum arc deposition device capable of obtaining a desired film thickness distribution and moreover small in the restriction of the shape of the material to be vapor-deposited.

SOLUTION: This vacuum arc deposition device is provided with a cathode as an evaporating source and an anode executing arc discharge with the cathode in a vacuum vessel placed with the material to be vapor-deposited and provided with an arc power source capable of controlling the value of the electric current to be charged to the cathode or anode, and the evaporating source has a long-length body long in the height direction of the material to be vapor-deposited and is arranged around the material to be vapor-deposited.

Reference AQ (EP 1 081 247 A2) on Form PTO-1449:

an example of a conventional arc type ion plating apparatus

									
Form PTO 1449	U.S. DEPARTMENT OF COMMERCE			ATTY DOCKET NO.	SERIAL I	10 .			
(Modified)		PATENT AND TRADEMARK OFFICE		242588US3	NEW APPLICATION				
				APPLICANT					
LIST OF	REFER	ENCES CITED BY AF	PPLICANT	Hirofumi FUJII, et al.					
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